

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Steven P. Adams et al                      Art Unit : Unknown  
Serial No. : New Application                      Examiner : Unknown  
Filed : Herewith  
Title : CELL ADHESION INHIBITORS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This application is a continuation of U.S. patent application 09/935,461, filed August 22, 2001, which is a divisional of U.S. patent application 08/376,372, filed January 23, 1995, U.S. Pat. No. 6,306,840 (to which this application claims the benefit of priority under 35 USC §120). The references listed on the enclosed forms PTO-1449 were submitted to and/or cited by the Office in the prior applications and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 7-24-03

  
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>14406-003005</b>	Application No.
	Applicant <b>Steven P. Adams et al.</b>		
	Filing Date	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,725,583	02/16/1988	Luly et al.			
	AB	4,826,815	05/02/1989	Luly et al.			
	AC	5,260,277	11/09/1993	McKenzie			
	AD	5,314,902	05/25/1994	Tjoeng, et al			
	AE	5,434,188	07/18/1995	Boschelli et al			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF	EP 0 460 679	12/11/1991	EPO				
	AG	EP 0 519 748	12/23/1992	EPO				
	AH	EP 0 565 896	10/20/1993	EPO				X
	AI	WO 92 00995	07/09/1991	WIPO				
	AJ	WO 92 08464	11/14/1991	WIPO				
	AK	WO 93 08823	11/06/1991	WIPO				
	AL	WO 93 09795	05/27/1993	WIPO				
	AM	WO 94 02445	07/26/1993	WIPO				
	AN	WO 94 15958	01/07/1994	WIPO				
	AO	WO 94 23714	10/27/1994	WIPO				X
	AP	WO 95 15973	12/05/1994	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Abraham, W.M., et al., "α4-Intergrins Mediate Antigen-induced Late Bronchial Responses and Prolonged Airway Hyperresponsiveness in Sheep", J.Chin. Invest., 93, pp. 776-87 (1994).
	AR	Baldwin, J.E., et al., CA 108: 127408t, 1998.
	AS	Chen, S.T., et al., CA 115:159749r, 1991.
	AT	Chisolm, P.L., et al., "Monoclonal Antibodies to the Integrin α-4 Subunit Inhibit the Murine contact Hypersensitivity Response," Eur. J. Immunol., 23, pp. 682-88 (1993).
	AU	Elices, M.J., et al., "Expression and functional Significance of Alternatively Spliced CS1 Fibronectin in Rheumatoid Arthritis Microvasculature," J.Chin. Invest., 93, pp. 405-16 (1994).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AV	Ferguson, T.A., et al., "Two Integrin-binding Peptides Abrogate T Cell-Mediated Immune Responses in Vivo", Proc. Natl. Acad. Sci. USA, 88, pp. 8072-75 (1991).
	AW	Ferguson, T.A. and T.S. Kupper, "Antigen-Independent Processes in Antigen-Specific Immunity", J. Immunol., 150, pp. 1172-82 (1993).
	AX	Greenstein et al., "Synthesis and Activity of NacSerAspLysPro Analogues on Cellular Interactions Between T-Cell and Erythrocytes in Rosette Formation.", J. Med. Chem. 1998, 33, 2122-2127.
	AY	Goodman et al., "Synthesis and Conformation of Sequential Polypeptides of L-Alanine and Beta-Aminobutyric Acid", Macromolecules, 9:1-6, 1976.
	AZ	Gruszecki, W., et al., "Diacylamines - Perfect Acylating Agents for Peptide Synthesis", Liebigs Ann. Chem., pp 331-336, 1988.
	AAA	Helmer, M.E., "VLA Proteins in the Integrin Family: Structures, Functions, and their Role in Leukocytes", Ann. Rev. Immunol., 8, pp. 365-400 (1990).
	ABB	Jiang, J., et al., "Approaches Toward the Total Synthesis of Astins A, B, and C", Tet. Let., 35(14), pp 2121-2124, 1994.
	ACC	Jiang et al., "Synthesis and Conformation of Sequential Polypeptides of L-Alanine and Beta-Aminobutyric Acid", Tetrahedron Letters, 35:2121-4, 1994.
	ADD	Kim et al., "Inhibition of <sup>125</sup> I-Labeled Ristocetin Binding to Micrococcus Luteus Cells by the Peptides Related to Bacterial Cell Wall Mucopeptide Precursors: Quantitative Structure-Activity Relationships", J. Med. Chem., 1989, 32, 84-93.
	AEE	Komoriya, A., et al., "The Minimal Essential Sequence for a Major Cell Type-specific Adhesion Site (CS1) within the Alternatively spliced Type III Connecting Segment Domain of Fibronectin is Leucine-Aspartic Acid-Valine", J. Biol. Chem., 266, pp. 15075-79 (1991).
	AFF	Lampi, K.J., et al., CA 118:73514t, 1993.
	AGG	Lobb, R.R. and Hemler, M.E., "The Pathophysiologic Role of $\alpha$ 4 Integrins <i>In Vivo</i> ", J. Clin. Invest., 94, pp. 1722-28 (1994).
	AHH	Molossi, S., et al., "Blockade of Very Late Antigen-4 Integrin Binding to Fibronectin with Connecting Segment-1 Peptide Reduces Accelerated Coronary Arteriopathy in Rabbit Cardiac Allografts", J. Clin. Invest., 95, pp. 2601-10 (1995).
	AII	Morales-Ducret, J., et al., " $\alpha$ 4/ $\beta$ 1 Integrin (VLA-4) Ligands in Arthritis", J. Immunol., 149, pp. 1424-31 (1992).
	AJJ	Nowlin, D.M., "A Novel Cyclic Peptide Inhibits $\alpha$ 4 $\beta$ 1 and $\alpha$ 5 $\beta$ 1 Integrin-mediated Cell Adhesion", J. Biol. Chem., 268, pp. 20352-59 (1993).
	AKK	Subasinghe et al., "Synthesis and Acyclic and Dehydroaspartic Acid Analogues of Ac-Asp-Glu-OH and Their Inhibition of Rat Brain N-Acetylated Alpha-Linked Acidic Dipeptidase (NAALA Dipeptidase)", Journal of Medicinal Chemistry, 33:2734-44, 1990.
	ALL	Thierry et al., "Synthesis and Activity of NacSerAspLysPro Analogues on Cellular Interactions between T-Cell and Erythrocytes in Rosette Formation", J. Med. Chem. 1990, 33, 2122-2127.
	AMM	Wayner, E.A. and Kovach, N.L., "Activation-dependent Recognition by Hematopoietic Cells of the LDV Sequence in the V Region of Fibronectin", J. Cell. Biol., 116, pp. 489-97 (1992).
	ANN	Yednock, T.A., et al., "Prevention of Experimental Autoimmune Encephalomyelitis by Antibodies Against $\alpha$ 4 $\beta$ 1 Integrin", Nature, 356, pp. 63-66 (1992).

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